



RAW SEQUENCE LISTING ERROR REPORT

The Biotechnology Systems Branch of the Scientific and Technical Information Center (STIC) detected errors when processing the following computer readable form:

Application Serial Number: 09/927,585
Source: 1600
Date Processed by STIC: 6/4/2003

THE ATTACHED PRINTOUT EXPLAINS DETECTED ERRORS.

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- 1) INCLUDING A COPY OF THIS PRINTOUT IN YOUR NEXT COMMUNICATION TO THE APPLICANT, WITH A NOTICE TO COMPLY or,
- 2) TELEPHONING APPLICANT AND FAXING A COPY OF THIS PRINTOUT, WITH A NOTICE TO COMPLY

FOR CRF SUBMISSION AND PATENTIN SOFTWARE QUESTIONS, PLEASE CONTACT MARK SPENCER, 703-308-4212.

TO REDUCE ERRORED SEQUENCE LISTINGS, PLEASE USE THE CHECKER VERSION 4.0 PROGRAM, ACCESSIBLE THROUGH THE U.S. PATENT AND TRADEMARK OFFICE WEBSITE. SEE BELOW FOR ADDRESS:

<http://www.uspto.gov/web/offices/pac/checker>

Applicants submitting genetic sequence information electronically on diskette or CD-Rom should be aware that there is a possibility that the disk/CD-Rom may have been affected by treatment given to all incoming mail. Please consider using alternate methods of submission for the disk/CD-Rom or replacement disk/CD-Rom. Any reply including a sequence listing in electronic form should NOT be sent to the 20231 zip code address for the United States Patent and Trademark Office, and instead should be sent via the following to the indicated addresses:

1. EFS-Bio (<<http://www.uspto.gov/ebc/efs/downloads/documents.htm>> , EFS Submission User Manual - ePAVE)
2. U.S. Postal Service: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450
3. Hand Carry directly to:
U.S. Patent and Trademark Office, Technology Center 1600, Reception Area, 7th Floor, Examiner Name, Sequence Information, Crystal Mall One, 1911 South Clark Street, Arlington, VA 22202
Or
U.S. Patent and Trademark Office, Box Sequence, Customer Window, Lobby, Room 1B03, Crystal Plaza Two, 2011 South Clark Place, Arlington, VA 22202
4. Federal Express, United Parcel Service, or other delivery service to: U.S. Patent and Trademark Office, Box Sequence, Room 1B03-Mailroom, Crystal Plaza Two, 2011 South Clark Place, Arlington, VA 22202

Revised 04/24/2003



1600

RAW SEQUENCE LISTING

DATE: 06/04/2003

PATENT APPLICATION: US/09/927,585

TIME: 14:21:35

Input Set : N:\AMC\23355.55.SEQ.LST.txt

Output Set: N:\CRF4\06042003\I927585.raw

3 <110> APPLICANT: HERMONAT, PAUL L.
 4 KLIMBERG, SUZANNE V.
 5 LIU, YONG
 7 <120> TITLE OF INVENTION: COMPOSITIONS, METHODS AND PRODUCTS COMPRISING HUMAN
 PAPILLOMAVIRUS FOR
 8 DETECTING AND TREATING A CANCER
 10 <130> FILE REFERENCE: 23355/55
 12 <140> CURRENT APPLICATION NUMBER: US 09/927,585
 13 <141> CURRENT FILING DATE: 2001-08-09
 15 <150> PRIOR APPLICATION NUMBER: US 60/219,914
 16 <151> PRIOR FILING DATE: 2000-07-21
 18 <150> PRIOR APPLICATION NUMBER: US 60/220,210
 19 <151> PRIOR FILING DATE: 2000-07-22
 E--> 21 <160> NUMBER OF SEQ ID NOS: 5 4 (see p.3)
 23 <170> SOFTWARE: PatentIn version 3.1

ERRORED SEQUENCES

25 <210> SEQ ID NO: 1
 26 <211> LENGTH: 20
 27 <212> TYPE: DNA
 28 <213> ORGANISM: Artificial
 30 <220> FEATURE:
 31 <223> OTHER INFORMATION: Based on HPV E6 sequence
 33 <400> SEQUENCE: 1
 E--> 34 ~~tggtcaaaaaac cgttgtgtgcc~~
 37 <210> SEQ ID NO: 2
 38 <211> LENGTH: 20
 39 <212> TYPE: DNA
 40 <213> ORGANISM: Artificial
 42 <220> FEATURE:
 43 <223> OTHER INFORMATION: Based on HPV E7 sequence
 45 <400> SEQUENCE: 2
 E--> 46 ~~tgctaatctcg gtgctacctg~~
 49 <210> SEQ ID NO: 3
 50 <211> LENGTH: 20
 51 <212> TYPE: DNA
 C--> 52 <213> ORGANISM: Artificial
 54 <220> FEATURE:
 55 <223> OTHER INFORMATION: Based on HPV-L1 sequence; m=a or c; r=a or g; w=a or t; y=c
 or t
 58 <400> SEQUENCE: 3
 E--> 59 ~~gcmcagggwc ataayaatgg~~

Does Not Comply
 Corrected Diskette Needed

21 20

18 20

20 ← insert
 cumulative
 base total
 at right
 margin of each line

62 <210> SEQ ID NO: 4

RAW SEQUENCE LISTING

DATE: 06/04/2003

PATENT APPLICATION: US/09/927,585

TIME: 14:21:35

Input Set : N:\AMC\23355.55.SEQ.LST.txt

Output Set: N:\CRF4\06042003\I927585.raw

63 <211> LENGTH: 20 21 shown
64 <212> TYPE: DNA
C--> 65 <213> ORGANISM: Artificial *last sequence in submitted file*
67 <220> FEATURE:
68 <223> OTHER INFORMATION: Based on HPV-L1 sequence; m=a or c; r=a or g; w=a or t; y=c
or t
70 <400> SEQUENCE: 4
E--> 71 cgtccmarrg ggawactgatc

21 ← insert cumulative
base total at
right margin of
each line

RAW SEQUENCE LISTING ERROR SUMMARY
PATENT APPLICATION: US/09/927,585

DATE: 06/04/2003
TIME: 14:21:36

Input Set : N:\AMC\23355.55.SEQ.LST.txt
Output Set: N:\CRF4\06042003\I927585.raw

Invalid <213> Response:

Use of "Artificial" only as "<213> Organism" response is incomplete,
per 1.823(b) of New Sequence Rules. Valid response is Artificial Sequence.

Seq#:1,2

VERIFICATION SUMMARY

DATE: 06/04/2003

PATENT APPLICATION: US/09/927,585

TIME: 14:21:36

Input Set : N:\AMC\23355.55.SEQ.LST.txt

Output Set: N:\CRF4\06042003\I927585.raw

L:34 M:254 E: No. of Bases conflict, LENGTH:Input:21 Counted:20 SEQ:1
L:46 M:254 E: No. of Bases conflict, LENGTH:Input:18 Counted:20 SEQ:2
L:52 M:220 C: Keyword misspelled or invalid format, <213> ORGANISM for SEQ ID#:3
L:59 M:254 E: No. of Bases conflict, LENGTH:Input:0 Counted:20 SEQ:3
L:65 M:220 C: Keyword misspelled or invalid format, <213> ORGANISM for SEQ ID#:4
L:71 M:254 E: No. of Bases conflict, LENGTH:Input:0 Counted:21 SEQ:4
L:71 M:252 E: No. of Seq. differs, <211> LENGTH:Input:20 Found:21 SEQ:4
L:21 M:203 E: No. of Seq. differs, <160> Number Of Sequences:Input (5) Counted (4)